DI-9103E

GST Intelligent DI-9000E Series Addressable Heat Detector

General

The Intelligent DI-9103E heat detector is able to offer both fixed temperature alone, or rate-of-rise temperature alarms. It analysing the environmental temperature conditions using a semiconductor heat sensor.

It supports EN54 temperature classes A1R, A2S and BS.

Applications

The DI-9103E is especially suitable to places where a flaming fire is more likely to occur forcing a sharp rise in temperature.

Overview

The GST DI-91xxE series intelligent detectors all feature the latest GST digital loop protocol and are compatible with the GST200N and GST-IFP4E intelligent fire alarm control panels. This enhanced digital communication protocol offers the possibility for the detectors to raise an alarm within 1 second, allowing more control and better and faster processing at the CIE.

All the DI-9000E series detectors may be installed onto the common detector base and allow for the connection of a common remote indicator.



Details

- Electronic addressing safeguarding against uncontrolled address changes
- Self-diagnostic testing ensuring reliability at all times
- Local reed-switch test activation for easy maintenance
- Alarm LED with 360° visibility
- Remote indicator output
- Configurable polling LED support
- 3 Programmable detection categories
- LPCB marked

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Technical specifications

General

Status indication	LED
Compatibility	GST DI-9000E systems
Alarm levels	3
Connectivity	2-wire loop & remote indicator
Addressing method	Electronic

Electrical

Power supply type	Loop powered
Operating voltage	16 to 28 VDC (24 VDC typical)
Current consumption	≤600 µA (quiescent) ≤1.5 mA (alarm)
Cable specification	> 1 mm²

Detection

Detection principle	Heat sensitive thermistor
Sensitivity	Category A1R, A2S, BS
Alarm temperature (maximum)	+77°C
Alarm temperature (minimum)	+58°C
Rate-of-rise	Supported

Output

Output quantity	1
Remote alarm output	2 mA

Physical

Physical dimensions	100 x 53.3 mm (Ø x H)
Shipping weight	110 g
Colour	Traffic white (RAL9016)
Mounting type	Ceiling mount
Material (body)	ABS

Environmental

Vandal proof	No
Operating temperature	-10 to +50°C -10°C (min. Application temperature)
Application temperature (maximum)	+65°C
Relative humidity	≤ 95% noncondensing
Environment	Indoor
IP rating	IP2x

Regulatory

Compliancy	CE, REACH, RoHS, WEEE
Certification	CPR
Standards	EN54-5 BS5839-1 Compliant

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

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